



uFR Online NFC Reader - Android 1.0 version

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Application preview



The application interface features a green header with the Digital Logic logo and the title "WiFi NFC Reader - μFR Online". Below the header, there are four radio buttons for protocol selection: HTTP (selected), TCP/IP, and UDP. A text input field for "IP address / Serial number" is followed by a green "SCAN" button. Below this, there are two input fields: "Manual IP input" with a sub-label "IP address" and "Port" with the value "80". To the right of these is a circular "UI SIGNAL" button. Below the IP input is a "Card UID" input field followed by a circular "GET UID" button. Below the port input is a "Command" input field followed by a circular "SEND" button. At the bottom, there is a "Response" label.

WiFi NFC Reader - μFR Online

☒ HTTP ☐ TCP/IP ☐ UDP

IP address / Serial number :

SCAN

Manual IP input : Port :

IP address 80

UI SIGNAL

Card UID :

GET UID

Command :

SEND

Response :

Options

Click on 'SCAN' button to see available uFR Online readers. Notice that you have to be connected at the same network as readers. If you can't find reader ip address by clicking 'SCAN' button, you have an option to manually input ip address. If ip address is manually entered, application will take that ip for work, if field for manual ip address input is empty, application will use ip address from dropdown list. When you select reader's ip address from drop down list and click button 'GET UID' you will be able to see card's uid in text field.

On button 'UI SIGNAL' you will be able to hear sound from buzzer and alternation light signal.



WiFi NFC Reader - uFR Online

☒ HTTP
 ☐ TCP/IP
 ☐ UDP

IP address / Serial number :

192.168.1.85 / ON101390

192.168.1.85 / ON101390

192.168.1.144 / ON101370

192.168.1.99 / ON101494

SCAN

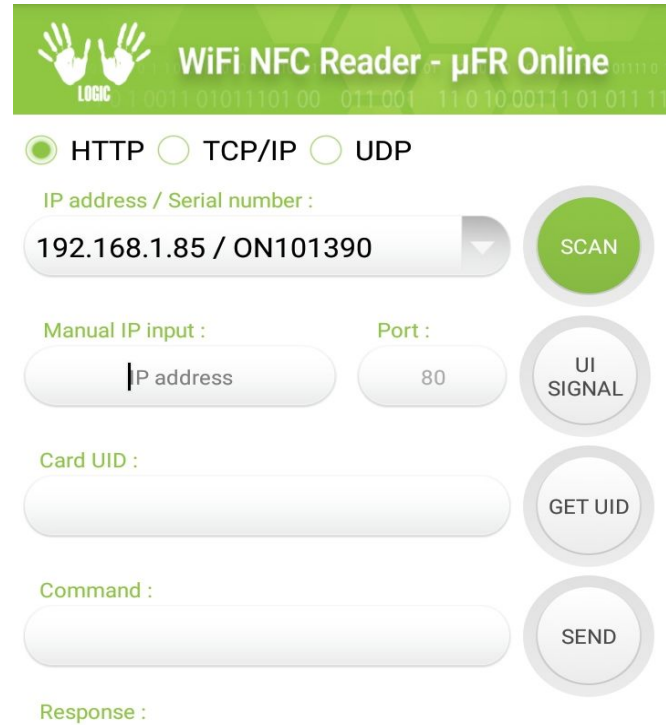
UI SIGNAL

GET UID

Command :

SEND

Response :



WiFi NFC Reader - uFR Online

☒ HTTP
 ☐ TCP/IP
 ☐ UDP

IP address / Serial number :

192.168.1.85 / ON101390

SCAN

Manual IP input :

IP address

Port :

80

UI SIGNAL

Card UID :

GET UID

Command :

SEND

Response :

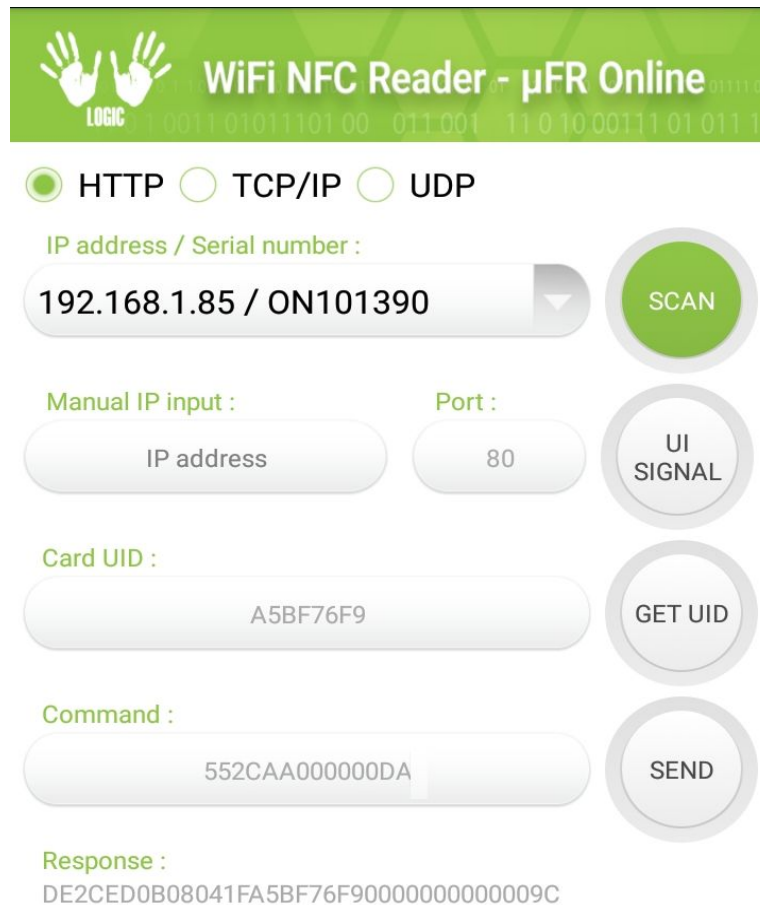
The same thing will happen if you choose UDP or TCP/IP communication protocol.

If HTTP protocol is selected, then port is always 80 by default.

If UDP or TCP/IP protocol is selected, you can modify the port by yourself.


You can also type hexadecimal command from uFR COM protocol to send it to reader.

Simply type the command and click 'SEND' button. The picture below shows GET_CARD_ID_EX command sent to reader:



The screenshot shows the 'WiFi NFC Reader - uFR Online' web interface. At the top, there is a green header with the Digital Logic logo and the title. Below the header, there are three radio buttons for selecting the communication protocol: HTTP (selected), TCP/IP, and UDP. Underneath, there is a text input field for 'IP address / Serial number' containing '192.168.1.85 / ON101390' and a 'SCAN' button. Below this, there are two more input fields: 'Manual IP input' with a sub-field 'IP address' and 'Port' with the value '80'. To the right of these is a 'UI SIGNAL' button. Further down, there is a 'Card UID' input field containing 'A5BF76F9' and a 'GET UID' button. Below that is a 'Command' input field containing '552CAA000000DA' and a 'SEND' button. At the bottom, there is a 'Response' field displaying the hexadecimal string 'DE2CED0B08041FA5BF76F90000000000009C'.

You can also send command with delimiters and if you want automatic checksum calculation you can type 'XX' as the last byte in your command.

 **WiFi NFC Reader - µFR Online**

☒ HTTP ☐ TCP/IP ☐ UDP

IP address / Serial number :

192.168.1.85 / ON101390

SCAN

Manual IP input :

Port :

IP address

80

UI SIGNAL

Card UID :

A5BF76F9

GET UID

Command :

55 2C AA 00 00 00 XX

SEND

Response :

DE2CED0B08041FA5BF76F9000000000009C

Revision history

Date	Version	Comment
2019-05-13	1.0	Base document